

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/536,664

Source: PCT

Date Processed by STIC: 6/7/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

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Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	10/536/664
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa , and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	

AMC - Biotechnology Systems Branch - 09/09/2003

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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/536,664

DATE: 06/07/2005

TIME: 11:14:24

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Output Set: N:\CRF4\06072005\J536664.raw

3 <110> APPLICANT: Imperial College Innovations
 5 <120> TITLE OF INVENTION: Control of Apoptosis
 7 <130> FILE REFERENCE: ICOY/P29703PC
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/536,664
 C--> 9 <141> CURRENT FILING DATE: 2005-05-27
 9 <160> NUMBER OF SEQ ID NOS: 19
 11 <170> SOFTWARE: PatentIn version 3.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 36
 15 <212> TYPE: PRT
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 21 <220> FEATURE:
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 23 <222> LOCATION: (1)..(3)
 24 <223> OTHER INFORMATION: A linker amino acid sequence
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 33 Lys Glu Pro Glu Lys Pro Ile Asp Arg Glu Lys Thr Cys Pro Leu Leu
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 37 Leu Arg Val Phe
 38 35
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 42 <211> LENGTH: 32
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Artificial
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Derivative of MAD1
 49 <220> FEATURE:
 50 <221> NAME/KEY: MISC_FEATURE
 51 <222> LOCATION: (1)..(3)
 52 <223> OTHER INFORMATION: A linker amino acid sequence
 55 <400> SEQUENCE: 2
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 62 20 25 30
 65 <210> SEQ ID NO: 3
 66 <211> LENGTH: 10
 67 <212> TYPE: PRT
 68 <213> ORGANISM: Artificial

Invalid response

pls explain "Xaa" locations.

Does Not Comply
Corrected Diskette Needed
(pg. 1-2)Pls see item #13 on
error summary
sheet

Invalid response

pls explain "Xaa" locations.

FYI: "Xaa" can only represent a
single amino acid.

10/536,664

Page 2

<210> 10
<211> 22
<212> DNA
<213> Artificial

PLS EXPLAIN source

OF
genetic
material.

<220>
<223> BclP TFO

What is this?

<400> 10
gggtgtgggg tutgtgtgtg gt

22

↑ See item # 11 on error
summary sheet.

↑
The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

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TIME: 11:14:24

Input Set : D:\20050701-SEQ.txt

Output Set: N:\CRF4\06072005\J536664.raw

70 <220> FEATURE:

71 <223> OTHER INFORMATION: NLS peptide sequence

73 <400> SEQUENCE: 3

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76 1 5 10

79 <210> SEQ ID NO: 4

80 <211> LENGTH: 16

81 <212> TYPE: PRT

82 <213> ORGANISM: Artificial

84 <220> FEATURE:

85 <223> OTHER INFORMATION: Antennapedia homeodomain based penetratins

87 <400> SEQUENCE: 4

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90 1 5 10 15

93 <210> SEQ ID NO: 5

94 <211> LENGTH: 15

95 <212> TYPE: PRT

96 <213> ORGANISM: Artificial

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99 <223> OTHER INFORMATION: TAT penetratin

101 <220> FEATURE:

102 <221> NAME/KEY: MISC_FEATURE

103 <222> LOCATION: (1)..(1)

104 <223> OTHER INFORMATION: Cys-acetamidomethyl

107 <400> SEQUENCE: 5

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116 <213> ORGANISM: Homo sapiens

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123 ccccggttgc ttttctctg ggaaggatgg cgcacgctgg gagaacgggg tacgacaacc 180

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135 tcgcccagat gtccagccag ctgcacctga cgccttcac cgcgcgggga cgctttgcca 540

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141 acatcgccct gtggatgact gaggacctga accggcacct gcacacctgg atccaggata 720

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145 tcggggggtt gagtgcgggt gggctcctgg gcaatgggag gctgtggagc cggcgaaata 840

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152 <210> SEQ ID NO: 7

RAW SEQUENCE LISTING

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Input Set : D:\20050701-SEQ.txt

Output Set: N:\CRF4\06072005\J536664.raw

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154 <212> TYPE: DNA

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162 ggatgcggga gatgtgggag ccgcgccccg gggggccgcc ccgcgcccgg gcatctttctc      180
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166 gccgctgcag accccgggtg ccccgggcgc cgccgcgggg cctgcgctca gcccggtgcc      300
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174 ctttgagttc ggtgggggtca tgtgtgtgga gagcgtcaac cgggagatgt cgcccctggt      540
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Input Set : D:\20050701-SEQ.txt

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377 ttcatgtgct acaaggagcg gccgcaggat gtggaccaac gtgaggctcc cctcaacaac 360
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381 atccgctgcc tgcagtggac cactgtcatc gaacgcacct tccatgtgga gactcctgag 480
383 gagcgggagg agtggacaac cgccatccag actgtggctg acggcctcaa gaagcaggag 540
385 gaggaggaga tggacttccg gtcgggctca cccagtgaac actcaggggc tgaagagatg 600
387 gaggtgtccc tggccaagcc caagcaccgc gtgacctga acgagtttga gtacctgaag 660
389 ctgctgggca agggcacttt cggcaagggt atcctggtga aggagaaggc cacaggccgc 720
391 tactacgcca tgaagatcct caagaaggaa gtcacgtgg ccaaggacga ggtggcccac 780
393 acactcaccg agaaccgcgt cctgcagaac tccaggcacc ccttcctcac agccctgaag 840
395 tactctttcc agaccacga ccgcctctgc tttgtcatgg agtacgcaa cgggggagag 900
397 ctgttcttcc acctgtccc ggaacgtgtg ttctccgagg accgggccc cttctatggc 960
399 gctgagattg tgtcagccct ggactacctg cactcggaga agaacgtggt gtaccgggac 1020
401 ctcaagctgg agaacctcat gctggacaag gacgggcaca ttaagatcac agacttcggg 1080
403 ctgtgcaagg aggggatcaa ggacggtgcc accatgaaga ccttttgagg cacacctgag 1140
405 tacctggccc ccgaggtgct ggaggacaat gactacggcc gtgcagtgga ctgggtgggg 1200
407 ctgggcgtgg tcatgtacga gatgatgtgc ggtcgctgc cttctacaa ccaggaccat 1260
409 gagaagcttt ttgagctcat cctcatggag gagatccgct tcccgcgcac gcttgggtcc 1320
411 gaggccaagt ccttgctttc agggctgtc aagaaggacc ccaagcagag gcttggcggg 1380
413 ggctccgagg acgccaagga gatcatgcag catcgcttct ttgccggtat cgtgtggcag 1440
415 cacgtgtacg agaagaagct cagcccacc ttcaagcccc aggtcacgtc ggagactgac 1500
417 accaggtatt ttgatgagga gttcacggcc cagatgatca ccatcacacc acctgaccaa 1560
419 gatgacagca tggagtgtgt ggacagcgag cgcaggcccc acttcccca gttctcctac 1620
421 tcggccagca gcacggcctg aggcggcggt ggactgcgct ggacgatagc ttggagggat 1680
423 ggagaggcgg cctcgtgcca tgatctgtat ttaatggttt ttatttctcg ggtgcatttg 1740
425 agagaagcca cgctgtctc tcgagcccag atggaaagac gttttgtgc tgtgggcagc 1800
427 accctcccc gcagcggggg agggaaagaa actatcctgc gggttttaat ttatttcac 1860
429 cagtttgttc tccgggtgtg gcctcagccc tcagaacaat ccgattcacg tagggaaatg 1920
431 ttaaggactt ctacagctat gcgcaatgtg gcattggggg gccgggcagg tcctgcccac 1980
433 gtgtcccctc actctgtcag ccagccgccc tgggctgtct gtcaccagct atctgtcatc 2040
435 tctctggggc cctgggcctc agttcaacct ggtggcacca gatgcaacct cactatggta 2100
437 tgctggccag caccctctcc tgggggtggc aggcacacag cagccccca gcactaaggc 2160
439 cgtgtctctg aggacgtcat cggaggctgg gccctggga tgggaccagg gatgggggat 2220

```


RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/536,664

DATE: 06/07/2005
TIME: 11:14:25

Input Set : D:\20050701-SEQ.txt
Output Set: N:\CRF4\06072005\J536664.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3

Seq#:2; Xaa Pos. 1,2,3

Seq#:5; Xaa Pos. 1

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,10,11,12,13,14,15,16,17,18,19

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/536,664

DATE: 06/07/2005

TIME: 11:14:25

Input Set : D:\20050701-SEQ.txt

Output Set: N:\CRF4\06072005\J536664.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0